

05-25-01

A

Docket No: AM100307-00
PatentAssistant Commissioner for Patents
Box Patent Application
Washington, D.C. 20231JC997 U.S. PTO
09/865023
05/24/01Application for Transmittal under 37 CFR 1.53 (b)Transmitted herewith for filing is the patent application of the following Inventor(s):
Michael Aven, Astrid Brandt and Norbert Nelgen**For: ENHANCEMENT OF THE ACTIVITY OF CAROTENOID BIOSYNTHESIS
INHIBITOR HERBICIDES**

1. This new application is for a:
 - ☐ Divisional
 - ☐ Continuation
 - ☐ Continuation-in-part (CIP)
2. Benefit of Prior U.S. Application(s) (35 USC 119)
This new application being transmitted claims the benefit of prior U.S. application(s) Serial No. **60/213,819** filed on **June 23, 2000** and **60/222,535** filed on **August 2, 2000**.
3. Papers enclosed which are required for filing date under 35 CFR 1.53(b):
 - 20** Pages of specification
 - ☐ Sequence Listing (___ pages)
 - 6** Pages of claims
 - 1** Page(s) of abstract
 - Sheets of drawing
 - ☐ Formal
 - ☐ Informal
4. Additional papers enclosed
 - ☒ Information Disclosure Statement
 - ☒ Form PTO-1449
 - ☒ Citations
 - ☐ Declaration of Biological Deposit
 - ☐ Computer Readable Form of Sequence Listing
 - ☐ Declaration Under 37 CFR 1.821(f)

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CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this paper and the documents referred to as enclosed therein are being deposited with the United States Postal Service on the date written below in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EF127996159US** addressed to the Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

May 24, 2001  
Date

Delia Coughlin  
Delia Coughlin

5. Declaration

- ☐ Copy from a prior application (37 CFR 1.63 (d)) is enclosed  
☐ New declaration enclosed and executed by all inventor(s)  
☒ New declaration not enclosed or not executed by all inventor(s)

6. Assignment

An assignment of the invention to:

BASF Aktiengesellschaft

- ☐ was made in the prior application and recorded in PTO on \_\_\_\_\_, Reel \_\_\_\_\_, Frame \_\_\_\_\_.  
☐ is attached under separate Recordation Form Cover Sheet.  
☒ will follow.

7. Incorporation By Reference

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Section 5 of this transmittal, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

8. Amendments

- ☐ Cancel in this application original claim of the prior application before calculating the filing fee. (At least one original independent claim is retained for filing purposes.)  
☐ A preliminary amendment is enclosed. (Claims added by this amendment have been properly numbered consecutively beginning with the number next following with the highest numbered original claim in the prior application.)

9. General Authorization:

During the pendency of this application treat any reply requiring a petition for extension of time for its timely submission as containing a request therefor for the appropriate length of time. The Commissioner is hereby authorized to charge all required extension of time fees during the entire pendency of this application to Deposit Account No. 02-1197.

10. Filing Fee Calculation

| CLAIMS AS FILED               |                        |                               |             |                  |
|-------------------------------|------------------------|-------------------------------|-------------|------------------|
| (1)<br>FOR                    | (2)<br>NUMBER<br>FILED | (3)<br>NUMBER EXTRA X<br>RATE |             | (4)<br>BASIC FEE |
|                               |                        |                               |             | \$710.00         |
| TOTAL CLAIMS                  | 13-20                  | 0                             | X \$ 18.00  | 0.00             |
| INDEPENDENT<br>CLAIMS         | 3-3                    | 0                             | X \$ 80.00  |                  |
| MULTIPLE<br>DEPENDENCY<br>FEE | No                     |                               | X \$ 270.00 |                  |
|                               |                        | Total Filing Fee:             |             | \$ 710.00        |


11. Fee payment being made at this time: **\$710.00**
12. Method of Payment of Fees:  
Charge Deposit Account No. **02-1197** in the amount of **\$710.00**  
A duplicate of this transmittal is attached.
13. Instructions as to Overpayment:  
Credit any overpayment to Deposit Account No. **02-1197**.
14. Authorization to Charge Additional Fees  
☒ The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Deposit Account No. **02-1197**:  
☒ 37 CFR 1.16(a), (f), or (g) filing fees  
☒ 37 CFR 1.16(b), (c), and (d) presentation of extra claims  
☒ 37 CFR 1.16(e) surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application.  
☒ 37 CFR 1.17 application processing fees
15. Relate Back  
☐ Amend the Specification by inserting before the first line the sentence:

## 16. Further Inventorship Statement Where Benefit of Prior Application(s) Claimed

- (a) ☒ This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above and the inventor(s) in this application is (are)
- ☒ the same
- ☐ less than those named in the prior application and it is requested that the following inventor(s) identified for the prior application be deleted in accordance with the signed statement attached deleting inventor(s) named in the prior application (see 37 CFR 1.63(d)(2) and 1.33(b)):
- (b) ☐ This application discloses and claims additional disclosure by amendment and a new declaration is being filed. With respect to the prior application the inventor(s) in this application is (are)
- ☐ the same
- ☐ the following additional inventors have been added:

## 17. Maintenance of Copendency of Prior Application

- (a) ☐ Extension of Time in Prior Application
- ☐ A petition, fee and response extends the term in the pending prior application until .
- ☐ A copy of the petition filed in the prior application is attached.
- (b) ☐ Conditional petition for Extension of Time in Prior Application.
- ☐ A conditional petition for extension of time is being filed in the pending prior application.
- ☐ A copy of the conditional petition filed in the prior application is attached.

  
Charles F. Costello

Reg. No. 27,324

Intellectual Property Department  
BASF Corporation  
3000 Continental Drive - North  
Mount Olive, New Jersey 07828-1234  
Tel. No. (609) 716-3273

|                                                                                                       |                          |                                             |
|-------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------|
| <b>FEE TRANSMITTAL</b><br><b>for FY 2001</b><br><br><i>Patent fees are subject to annual revision</i> | <i>Complete if Known</i> |                                             |
|                                                                                                       | Application Number       | Express Mail Certificate No. EF127996159US  |
|                                                                                                       | Filing Date              | <del>May 23, 2001</del> <i>May 24, 2001</i> |
|                                                                                                       | First Named Inventor     | Michael Aven et al.                         |
|                                                                                                       | Examiner Name            | Unknown                                     |
|                                                                                                       | Group Art Unit           | Unknown                                     |
| TOTAL AMOUNT OF PAYMENT                                                                               | (\$) <b>710.00</b>       |                                             |
|                                                                                                       |                          | Attorney Docket No. <b>AM100307-00</b>      |

| METHOD OF PAYMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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  |     |                                                         |                  |                     |     |     |     |     |                                        |                                                           |     |     |     |     |                          |  |     |       |     |       |                                               |  |     |     |     |    |                                 |  |     |       |     |     |                                   |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |    |     |    |     |    |                                    |  |     |     |     |     |                                           |  |     |    |     |    |                                                                            |  |     |     |     |     |                                     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| 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:<br>Deposit Account Number <b>02-1197</b><br>Deposit Account Name <b>BASF Corporation</b><br><br><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17<br><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>3. ADDITIONAL FEES</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td>\$</td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge-late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English Specification</td> <td></td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td>For filing a request for <i>ex parte</i> reexamination</td> <td></td> </tr> <tr> <td>112</td> <td>920*</td> <td>112</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner Action</td> <td></td> </tr> <tr> <td>113</td> <td>1,840*</td> <td>113</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner Action</td> <td></td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>116</td> <td>390</td> <td>216</td> <td>195</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>117</td> <td>890</td> <td>217</td> <td>445</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>118</td> <td>1,390</td> <td>218</td> <td>695</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>128</td> <td>1,890</td> <td>228</td> <td>945</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>119</td> <td>310</td> <td>219</td> <td>155</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>120</td> <td>310</td> <td>220</td> <td>155</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>121</td> <td>270</td> <td>221</td> <td>135</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive- unavoidable</td> <td></td> </tr> <tr> <td>141</td> <td>1,240</td> <td>241</td> <td>620</td> <td>Petition to revive- unintentional</td> <td></td> </tr> <tr> <td>142</td> <td>1,240</td> <td>242</td> <td>620</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>143</td> <td>440</td> <td>243</td> <td>220</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>144</td> <td>600</td> <td>244</td> <td>300</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td>Petitions to the Commissioner</td> <td>\$</td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> <td>Processing fee under 37 CFR 1.7(q)</td> <td></td> </tr> <tr> <td>126</td> <td>180</td> <td>126</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>146</td> <td>710</td> <td>246</td> <td>355</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td></td> </tr> <tr> <td>149</td> <td>710</td> <td>249</td> <td>355</td> <td>For each additional invention to be examined (37 CFR § 1.129(b))</td> <td></td> </tr> <tr> <td>179</td> <td>710</td> <td>279</td> <td>355</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>169</td> <td>900</td> <td>169</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> </tbody> </table> | Fee Code        | Large Entity Fee (\$) | Fee Code                                                                   | Small Entity Fee (\$) | Fee Description | Fee Paid | 105 | 130 | 205 | 65                 | Surcharge - late filing fee or oath | \$  | 127 | 50  | 227 | 25                | Surcharge-late provisional filing fee or cover sheet |     | 139 | 130 | 139 | 130              | Non-English Specification |     | 147 | 2,520 | 147 | 2,520              | For filing a request for <i>ex parte</i> reexamination |     | 112 | 920* | 112 | 920*                   | Requesting publication of SIR prior to Examiner Action |                     | 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner Action |                | 115             | 110            | 215             | 55              | Extension for reply within first month |     | 116 | 390 | 216 | 195                    | Extension for reply within second month |     | 117 | 890 | 217 | 445                               | Extension for reply within third month |     | 118 | 1,390 | 218 | 695                                    | Extension for reply within fourth month |     | 128 | 1,890 | 228 | 945                                               | Extension for reply within fifth month |     | 119 | 310 | 219 | 155                                                     | Notice of Appeal |                     | 120 | 310 | 220 | 155 | Filing a brief in support of an appeal |                                                           | 121 | 270 | 221 | 135 | Request for oral hearing |  | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding |  | 140 | 110 | 240 | 55 | Petition to revive- unavoidable |  | 141 | 1,240 | 241 | 620 | Petition to revive- unintentional |  | 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) |  | 143 | 440 | 243 | 220 | Design issue fee |  | 144 | 600 | 244 | 300 | Plant issue fee |  | 122 | 130 | 122 | 130 | Petitions to the Commissioner | \$ | 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.7(q) |  | 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt |  | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) |  | 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) |  | 169 | 900 | 169 | 900 | Request for expedited examination of a design application |  |
| Fee Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Fee Code        | Small Entity Fee (\$) | Fee Description                                                            | Fee Paid              |                 |          |     |     |     |                    |                                     |     |     |     |     |                   |                                                      |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 205             | 65                    | Surcharge - late filing fee or oath                                        | \$                    |                 |          |     |     |     |                    |                                     |     |     |     |     |                   |                                                      |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 127                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 227             | 25                    | Surcharge-late provisional filing fee or cover sheet                       |                       |                 |          |     |     |     |                    |                                     |     |     |     |     |                   |                                                      |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 139                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 138                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 138             | 1,510                 | Petition to institute a public use proceeding                              |                       |                 |          |     |     |     |                    |                                     |     |     |     |     |                   |                                                      |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 142                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| 143                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| 144                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| 122                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 123                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 126                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 581                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 581             | 40                    | Recording each patent assignment per property (times number of properties) |                       |                 |          |     |     |     |                    |                                     |     |     |     |     |                   |                                                      |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 146                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 246             | 355                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |                       |                 |          |     |     |     |                    |                                     |     |     |     |     |                   |                                                      |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 249             | 355                   | For each additional invention to be examined (37 CFR § 1.129(b))           |                       |                 |          |     |     |     |                    |                                     |     |     |     |     |                   |                                                      |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |     |     |                                                         |                  |                     |     |     |     |     |                                        |                                                           |     |     |     |     |                          |  |     |       |     |       |                                               |  |     |     |     |    |                                 |  |     |       |     |     |                                   |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |    |     |    |     |    |                                    |  |     |     |     |     |                                           |  |     |    |     |    |                                                                            |  |     |     |     |     |                                     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| 179                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 279             | 355                   | Request for Continued Examination (RCE)                                    |                       |                 |          |     |     |     |                    |                                     |     |     |     |     |                   |                                                      |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| <b>2. EXTRA CLAIM FEES</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>710</td> <td>201</td> <td>355</td> <td>Utility filing fee</td> <td>710</td> </tr> <tr> <td>106</td> <td>320</td> <td>206</td> <td>160</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>107</td> <td>490</td> <td>207</td> <td>245</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td> <td>710</td> <td>208</td> <td>355</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>114</td> <td>150</td> <td>214</td> <td>75</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b></td> <td><b>(\$)<b>710</b></b></td> </tr> </tbody> </table><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>18</td> <td>203</td> <td>9</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>102</td> <td>80</td> <td>202</td> <td>40</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>104</td> <td>270</td> <td>204</td> <td>135</td> <td>Multiple dependent claims, if not paid</td> <td></td> </tr> <tr> <td>109</td> <td>80</td> <td>209</td> <td>40</td> <td>**Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>110</td> <td>18</td> <td>210</td> <td>9</td> <td>**Reissue claims in excess of 20 &amp; over original patent</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (2)</b></td> <td><b>(\$)<b>0</b></b></td> </tr> </tbody> </table><br>**or number previously paid, if greater ; For Reissues, see above | Large Fee Code                                  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                                        | 107 | 490 | 207 | 245 | Plant filing fee |                           | 108 | 710 | 208   | 355 | Reissue filing fee |                                                        | 114 | 150 | 214  | 75  | Provisional filing fee |                                                        | <b>SUBTOTAL (1)</b> |     |        |     |        | <b>(\$)<b>710</b></b>                               | Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid                               | 103 | 18  | 203 | 9   | Claims in excess of 20 |                                         | 102 | 80  | 202 | 40  | Independent claims in excess of 3 |                                        | 104 | 270 | 204   | 135 | Multiple dependent claims, if not paid |                                         | 109 | 80  | 209   | 40  | **Reissue independent claims over original patent |                                        | 110 | 18  | 210 | 9   | **Reissue claims in excess of 20 & over original patent |                  | <b>SUBTOTAL (2)</b> |     |     |     |     | <b>(\$)<b>0</b></b>                    | Other fee (specify):<br>*Reduced by Basic Filing Fee Paid |     |     |     |     |                          |  |     |       |     |       |                                               |  |     |     |     |    |                                 |  |     |       |     |     |                                   |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |    |     |    |     |    |                                    |  |     |     |     |     |                                           |  |     |    |     |    |                                                                            |  |     |     |     |     |                                             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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 203             | 9                     | Claims in excess of 20                                                     |                       |                 |          |     |     |     |                    |                                     |     |     |     |     |                   |                                                      |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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                          |  |     |     |     |     |                                                                  |  |     |     |     |     |                                         |  |     |     |     |     |                                                           |  |
| 102                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |     |     |                                                         |                  |                     |     |     |     |     |                                        |                                                           |     |     |     |     |                          |  |     |       |     |       |                                               |  |     |     |     |    |                                 |  |     |       |     |     |                                   |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |    |     |    |     |    |                                    |  |     |     |     |     |                                           |  |     |    |     |    |                                                                            |  |     |     |     |     |                                     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| 104                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 109                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| 110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |     |     |                                                         |                  |                     |     |     |     |     |                                        |                                                           |     |     |     |     |                          |  |     |       |     |       |                                               |  |     |     |     |    |                                 |  |     |       |     |     |                                   |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |    |     |    |     |    |                                    |  |     |     |     |     |                                           |  |     |    |     |    |                                                                            |  |     |     |     |     |                                     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| <b>SUBTOTAL (2)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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  |     |                                                         |                  |                     |     |     |     |     |                                        |                                                           |     |     |     |     |                          |  |     |       |     |       |                                               |  |     |     |     |    |                                 |  |     |       |     |     |                                   |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |    |     |    |     |    |                                    |  |     |     |     |     |                                           |  |     |    |     |    |                                                                            |  |     |     |     |     |                                     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| <b>SUBTOTAL (3)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                |     |     |     |     |                  |                           |     |     |       |     |                    |                                                        |     |     |      |     |                        |                                                        |                     |     |        |     |        |                                                     |                |                 |                |                 |                 |                                        |     |     |     |     |                        |                                         |     |     |     |     |                                   |                                        |     |     |       |     |                                        |                                         |     |     |       |     |                                                   |                                        |     |     |   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| SUBMITTED BY      |                          |                                   |                     | Complete (if applicable) |                |
|-------------------|--------------------------|-----------------------------------|---------------------|--------------------------|----------------|
| Name (Print/Type) | Charles F. Costello, Jr. | Registration No. (Attorney/Agent) | 27,324              | Telephone                | (609) 716-3273 |
| Signature         | <i>C. Costello</i>       | Date                              | <i>May 24, 2001</i> |                          |                |

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